

OIPE

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/786,015

DATE: 07/30/2001
 TIME: 11:19:05

#9

Input Set : A:\gje-59.txt
 Output Set: N:\CRF3\07302001\I786015.raw

ENTERED

5 <110> APPLICANT: Peter Harrison
 7 <120> TITLE OF INVENTION: High-Affinity Antibodies
 9 <130> FILE REFERENCE: GJE-59
 11 <140> CURRENT APPLICATION NUMBER: 09/786,015
 C--> 13 <141> CURRENT FILING DATE: 2001-04-09
 15 <160> NUMBER OF SEQ ID NOS: 4
 17 <170> SOFTWARE: PatentIn Ver. 2.1
 19 <210> SEQ ID NO: 1
 21 <211> LENGTH: 363
 23 <212> TYPE: DNA
 25 <213> ORGANISM: Artificial Sequence
 28 <220> FEATURE:
 30 <221> NAME/KEY: CDS
 32 <222> LOCATION: (1)..(363)
 34 <223> OTHER INFORMATION: Description of Artificial Sequence:Antibody Fragment
 36 <400> SEQUENCE: 1
 37 cag gtg cag ctg cag gag tcg gga ccc agc ctg gtg aag ccc tca cag 48
 38 Gln Val Gln Leu Gln Glu Ser Gly Pro Ser Leu Val Lys Pro Ser Gln
 39 1 5 10 15
 41 acc ctc tcc ctc acc tgc acg gtc tct gga ttc tca tta acc aag tat 96
 42 Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Phe Ser Leu Thr Lys Tyr
 43 20 25 30
 45 ggt gtt agt tgg gtc cgc cag gct cca gga aag gcg ctt gag tgg cta 144
 46 Gly Val Ser Trp Val Arg Gln Ala Pro Gly Lys Ala Leu Glu Trp Leu
 47 35 40 45
 51 ggt ggt gtg tcc agt ggt gca cta aca gcc tat aac aca gcc cta cag 192
 52 Gly Gly Val Ser Ser Gly Ala Leu Thr Ala Tyr Asn Thr Ala Leu Gln
 53 50 55 60
 55 tcc cga ctc agc gtc acc agg gac acc tcc aag agc caa ttc tcc ctg 240
 56 Ser Arg Leu Ser Val Thr Arg Asp Thr Ser Lys Ser Gln Phe Ser Leu
 57 65 70 75 80
 59 tca ctg agc agc gtg act act gag gac acg gcc att tac tac tgt gcg 288
 60 Ser Leu Ser Ser Val Thr Thr Glu Asp Thr Ala Ile Tyr Tyr Cys Ala
 61 85 90 95
 65 aaa tct gtc aat ggt gac agt gtt cct tat ggt ttg gac tac tgg agc 336
 66 Lys Ser Val Asn Gly Asp Ser Val Pro Tyr Gly Leu Asp Tyr Trp Ser
 67 100 105 110
 69 cca gga ctc cta ctc acc gtc tcc tca 363
 70 Pro Gly Leu Leu Leu Thr Val Ser Ser
 71 115 120
 74 <210> SEQ ID NO: 2
 75 <211> LENGTH: 121
 76 <212> TYPE: PRT
 77 <213> ORGANISM: Artificial Sequence
 79 <220> FEATURE:
 81 <223> OTHER INFORMATION: Description of Artificial Sequence: Antibody
 82 Fragment

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/786,015

DATE: 07/30/2001

TIME: 11:19:05

Input Set : A:\gje-59.txt

Output Set: N:\CRF3\07302001\I786015.raw

84 <400> SEQUENCE: 2

```

85 Gln Val Gln Leu Gln Glu Ser Gly Pro Ser Leu Val Lys Pro Ser Gln
86   1           5           10           15
88 Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Phe Ser Leu Thr Lys Tyr
89           20           25           30
91 Gly Val Ser Trp Val Arg Gln Ala Pro Gly Lys Ala Leu Glu Trp Leu
92           35           40           45
94 Gly Gly Val Ser Ser Gly Ala Leu Thr Ala Tyr Asn Thr Ala Leu Gln
95           50           55           60
97 Ser Arg Leu Ser Val Thr Arg Asp Thr Ser Lys Ser Gln Phe Ser Leu
98   65           70           75           80
100 Ser Leu Ser Ser Val Thr Thr Glu Asp Thr Ala Ile Tyr Tyr Cys Ala
101           85           90           95
103 Lys Ser Val Asn Gly Asp Ser Val Pro Tyr Gly Leu Asp Tyr Trp Ser
104           100          105          110
106 Pro Gly Leu Leu Leu Thr Val Ser Ser
107           115          120

```

109 <210> SEQ ID NO: 3

111 <211> LENGTH: 333

113 <212> TYPE: DNA

115 <213> ORGANISM: Artificial Sequence

118 <220> FEATURE:

120 <221> NAME/KEY: CDS

122 <222> LOCATION: (1)..(333)

124 <223> OTHER INFORMATION: Description of Artificial sequence: Antibody Fragment

126 <400> SEQUENCE: 3

```

127 cag gat gtg ctg act cag ccg tcc tcc gtg tct ggg tcc ctg ggc cag      48
128 Gln Asp Val Leu Thr Gln Pro Ser Ser Val Ser Gly Ser Leu Gly Gln
129   1           5           10           15
131 agg gtc tcc atc acc tgc tct gga agc agc agc aac att gga ggt aat      96
132 Arg Val Ser Ile Thr Cys Ser Gly Ser Ser Ser Asn Ile Gly Gly Asn
133           20           25           30
135 gct tat gtg ggc tgg tac caa cag gtc cca gga tca gcc ccc aga ctc     144
136 Ala Tyr Val Gly Trp Tyr Gln Gln Val Pro Gly Ser Ala Pro Arg Leu
137           35           40           45
139 ctc atc agt gct aca acc gat cga gcc tcg ggg atc ccc gac cga ttc     192
140 Leu Ile Ser Ala Thr Thr Asp Arg Ala Ser Gly Ile Pro Asp Arg Phe
141           50           55           60
143 tcc ggc tcc agg tct ggg aac aca gcc acc ctg acc atc agc tcg ctc     240
144 Ser Gly Ser Arg Ser Gly Asn Thr Ala Thr Leu Thr Ile Ser Ser Leu
145   65           70           75           80
147 cag gct gag gac gag gcc gat tat tac tgt gca tcg tat caa agt act     288
148 Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ser Tyr Gln Ser Thr
149           85           90           95
151 tac agt ggt gtt ttc ggc agc ggg acc agg ctg acc gtc ctg ggt       333
152 Tyr Ser Gly Val Phe Gly Ser Gly Thr Arg Leu Thr Val Leu Gly
153           100          105          110

```

155 <210> SEQ ID NO: 4

157 <211> LENGTH: 111

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/786,015

DATE: 07/30/2001

TIME: 11:19:05

Input Set : A:\gje-59.txt

Output Set: N:\CRF3\07302001\I786015.raw

159 <212> TYPE: PRT

161 <213> ORGANISM: Artificial Sequence

163 <220> FEATURE:

165 <223> OTHER INFORMATION: Description of Artificial Sequence: Antibody

167 <400> SEQUENCE: 4

168 Gln Asp Val Leu Thr Gln Pro Ser Ser Val Ser Gly Ser Leu Gly Gln

169 1 5 10 15

171 Arg Val Ser Ile Thr Cys Ser Gly Ser Ser Ser Asn Ile Gly Gly Asn

172 20 25 30

174 Ala Tyr Val Gly Trp Tyr Gln Gln Val Pro Gly Ser Ala Pro Arg Leu

175 35 40 45

177 Leu Ile Ser Ala Thr Thr Asp Arg Ala Ser Gly Ile Pro Asp Arg Phe

178 50 55 60

180 Ser Gly Ser Arg Ser Gly Asn Thr Ala Thr Leu Thr Ile Ser Ser Leu

181 65 70 75 80

183 Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ser Tyr Gln Ser Thr

184 85 90 95

186 Tyr Ser Gly Val Phe Gly Ser Gly Thr Arg Leu Thr Val Leu Gly

187 100 105 110

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/786,015

DATE: 07/30/2001

TIME: 11:19:06

Input Set : A:\gje-59.txt

Output Set: N:\CRF3\07302001\I786015.raw

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date